

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080716\
 Data File : BM006979.D
 Acq On : 08 Aug 2016 05:49
 Operator : UM/SJ
 Sample : H4302-18
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA0K3

Manual Integrations
 APPROVED

sohil
 8/8/2016 7:08:58 PM

Quant Time: Aug 08 16:02:06 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080616.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 08 15:12:48 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	272366	20.00	ng/ul	0.00
7) Naphthalene-d8	10.32	136	1210992	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.21	164	716764	20.00	ng/ul	0.00
23) Phenanthrene-d10	16.97	188	1647620	20.00	ng/ul	0.00
29) Chrysene-d12	21.18	240	1513461	20.00	ng/ul	0.00
34) Perylene-d12	23.37	264	1345765	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.09	96	8673	1.45	ng/uL	0.00
3) Phenol-d5	6.77	99	382683	14.82	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.90	67	290785	17.96	ng/ul	0.00
5) 2-Chlorophenol-d4	7.10	132	333835	18.11	ng/ul	0.00
6) 4-Methylphenol-d8	8.29	113	257985	11.97	ng/ul	0.00
8) Nitrobenzene-d5	8.71	128	176155	19.58	ng/ul	0.00
9) 2-Nitrophenol-d4	9.43	143	209466	19.45	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	9.97	165	372428	18.24	ng/ul	0.00
12) 4-Chloroaniline-d4	10.49	131	304733	12.50	ng/ul	0.00
16) Dimethylphthalate-d6	13.63	166	1241642	19.68	ng/ul	0.00
17) Acenaphthylene-d8	13.90	160	1525485	20.91	ng/ul	0.00
20) 4-Nitrophenol-d4	14.52	143	100255	10.96	ng/ul	0.02
21) Fluorene-d10	15.21	176	1072341	20.00	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.37	200	97969	14.40	ng/ul	0.00
26) Anthracene-d10	17.07	188	1600851	20.11	ng/ul	0.00
30) Pyrene-d10	19.37	212	1753273	24.30	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.23	264	1302942	20.33	ng/ul	0.00

Target Compounds

						Qvalue
11) Naphthalene	10.37	128	227353	3.66	ng/ul	97
13) 2-Methylnaphthalene	12.00	142	51690	1.04	ng/ul	98
19) Acenaphthene	14.27	153	196417	3.94	ng/ul	98
22) Fluorene	15.26	166	136633	2.16	ng/ul	99
25) Phenanthrene	17.01	178	2558690	27.77	ng/ul	99
27) Anthracene	17.10	178	461440	4.78	ng/ul	97
28) Fluoranthene	19.04	202	4141254	36.93	ng/ul	99
31) Pyrene	19.41	202	3305416	35.14	ng/ul	99
32) Benzo(a)anthracene	21.16	228	1581927	17.62	ng/ul	98
33) Chrysene	21.22	228	1445540	18.29	ng/ul	96
35) Benzo(b)fluoranthene	22.72	252	2223768	25.32	ng/ul	99
36) Benzo(k)fluoranthene	22.76	252	676452m	7.98	ng/ul	
38) Benzo(a)pyrene	23.27	252	1467231	18.42	ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.56	276	1145630	14.18	ng/ul	96
40) Dibenzo(a,h)anthracene	25.54	278	300758	4.42	ng/ul#	83
41) Benzo(g,h,i)perylene	26.23	276	1131770	17.79	ng/ul	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

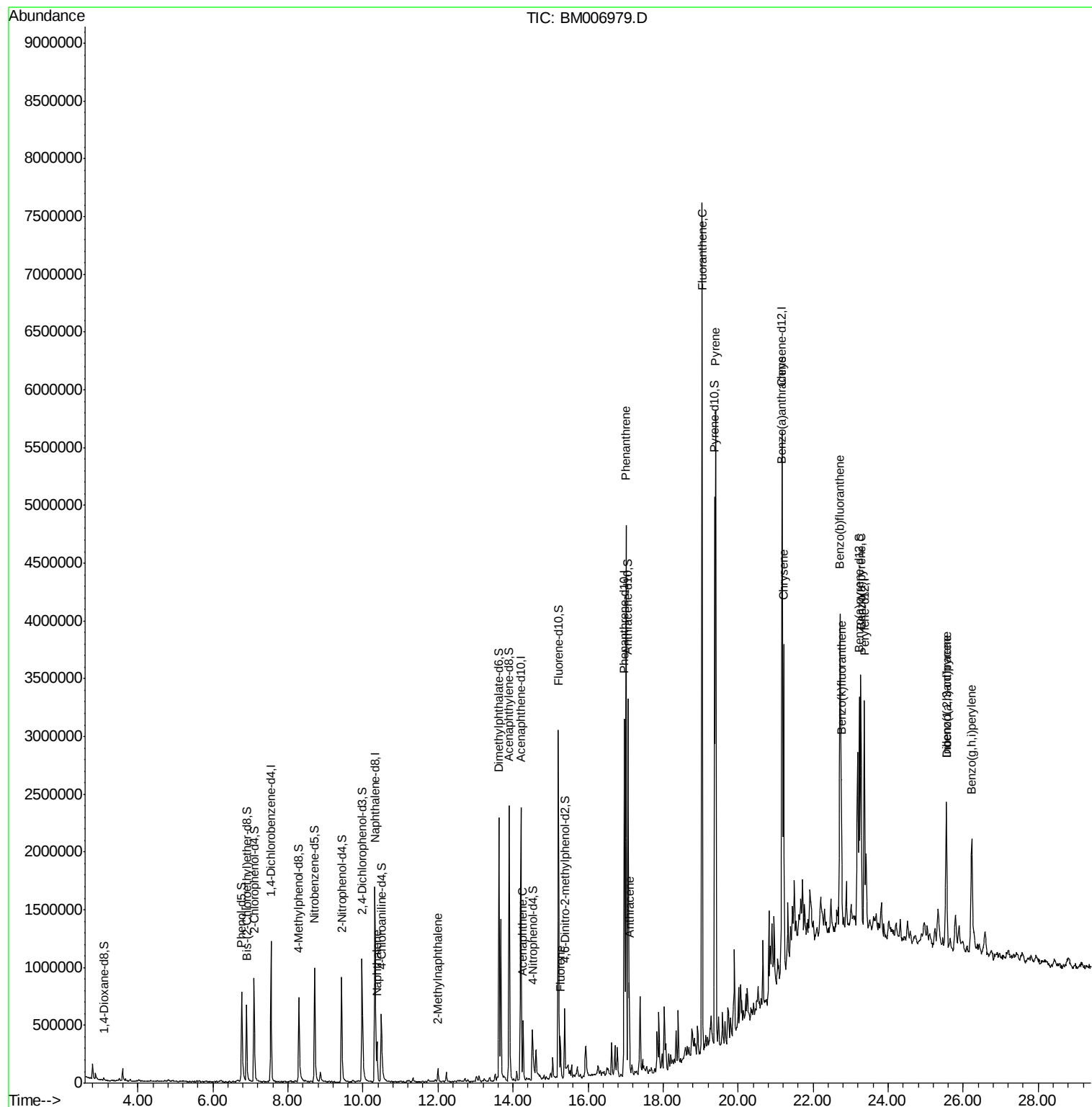
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080716\
Data File : BM006979.D
Acq On : 08 Aug 2016 05:49
Operator : UM/SJ
Sample : H4302-18
Misc :
ALS Vial : 42 Sample Multiplier: 1

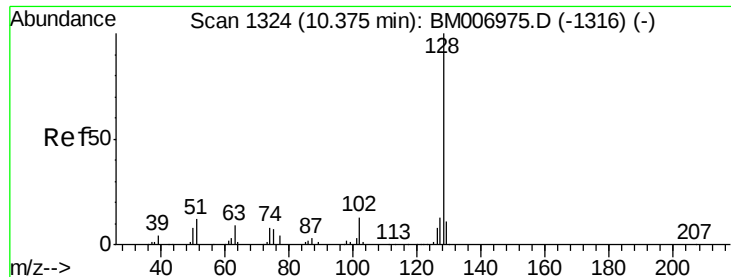
Instrument :
BNA_M
ClientSampleId :
DA0K3

Manual Integrations
APPROVED

sohil
8/8/2016 7:08:58 PM

Quant Time: Aug 08 16:02:06 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080616.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 08 15:12:48 2016
Response via : Initial Calibration





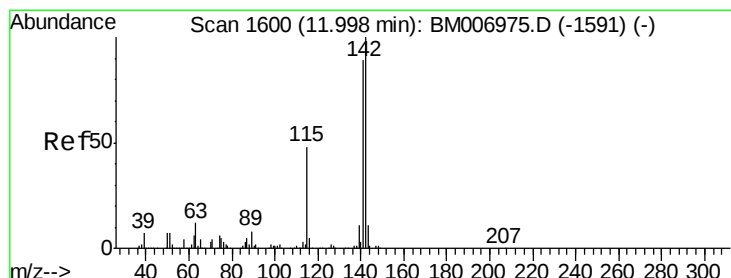
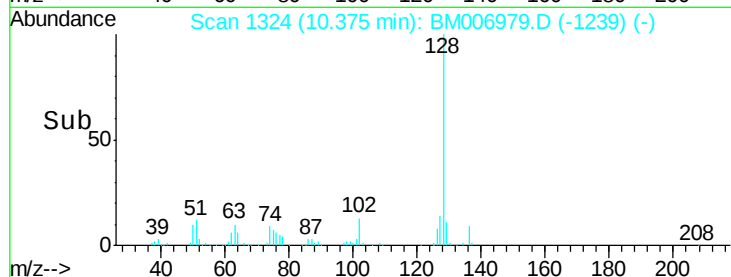
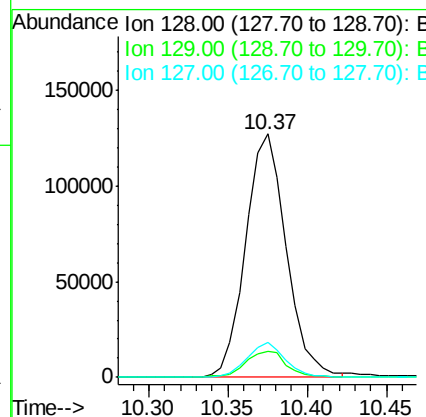
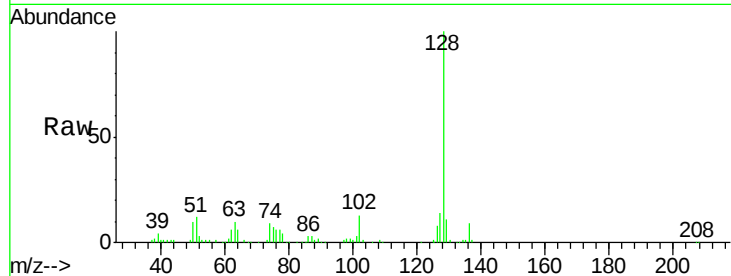
#11
Naphthalene
Concen: 3.66 ng/ul
RT: 10.37 min Scan# 1324
Delta R.T. 0.00 min
Lab File: BM006979.D
Acq: 08 Aug 2016 05:49

Instrument :
BNA_M
ClientSampleId :
DA0K3

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	10.8	8.6	13.0
127	14.2	9.8	14.8

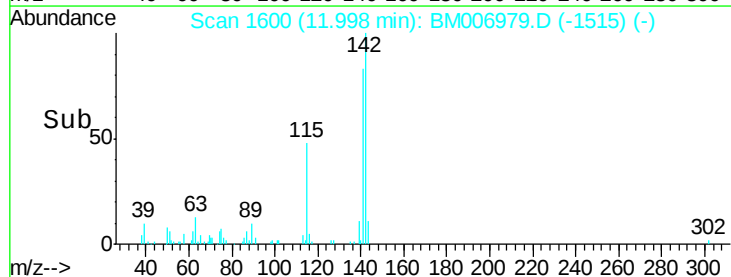
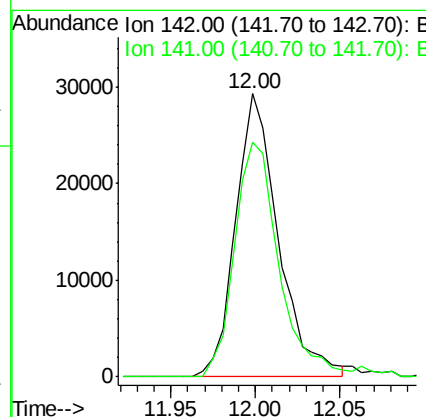
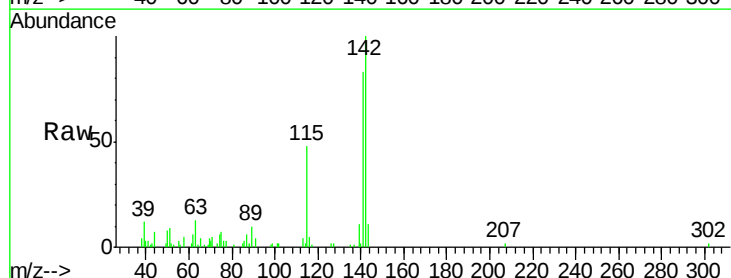
Manual Integrations
APPROVED

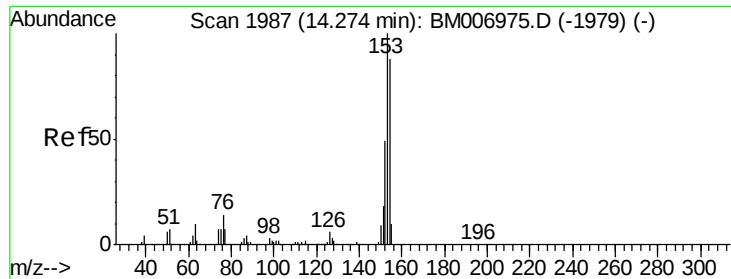
sohil
8/8/2016 7:08:58 PM



#13
2-Methylnaphthalene
Concen: 1.04 ng/ul
RT: 12.00 min Scan# 1600
Delta R.T. 0.00 min
Lab File: BM006979.D
Acq: 08 Aug 2016 05:49

Tgt Ion	Ratio	Resp Lower	Resp Upper
142	100		
141	83.2	68.2	102.2





#19

Acenaphthene

Concen: 3.94 ng/ul

RT: 14.27 min Scan# 1987

Delta R.T. 0.00 min

Lab File: BM006979.D

Acq: 08 Aug 2016 05:49

Instrument :

BNA_M

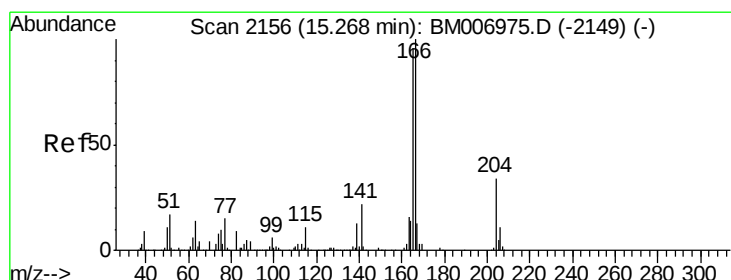
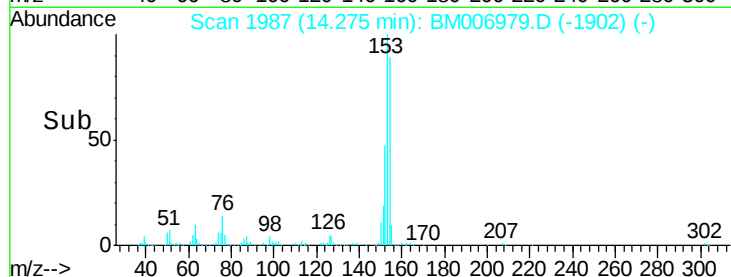
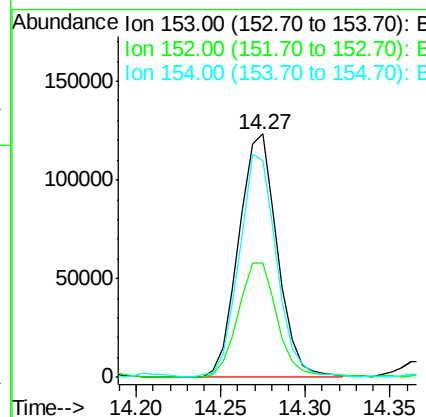
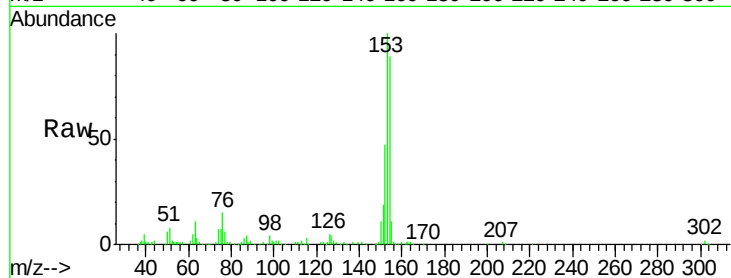
ClientSampleId :

DA0K3

Tgt Ion:	153	Resp:	196417
Ion Ratio	Lower	Upper	
153	100		
152	46.8	37.0	55.6
154	89.0	69.3	103.9

Manual Integrations
APPROVED

sohil
8/8/2016 7:08:58 PM



#22

Fluorene

Concen: 2.16 ng/ul

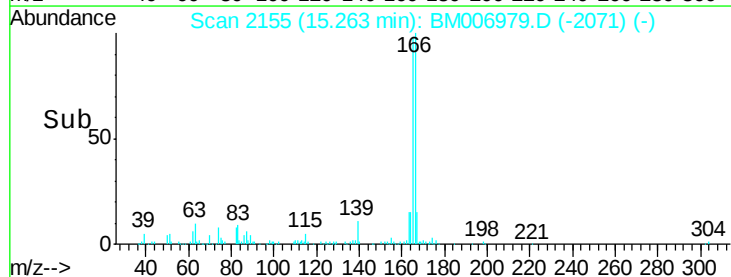
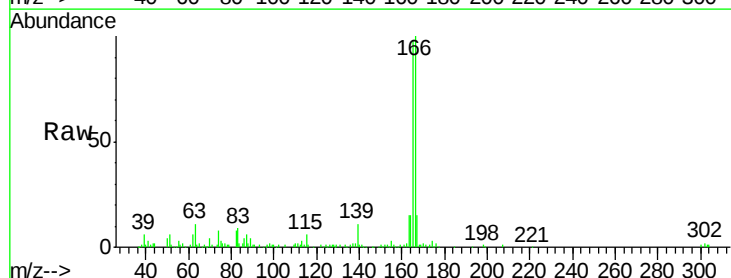
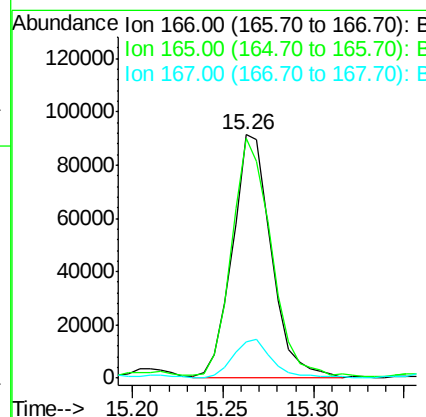
RT: 15.26 min Scan# 2155

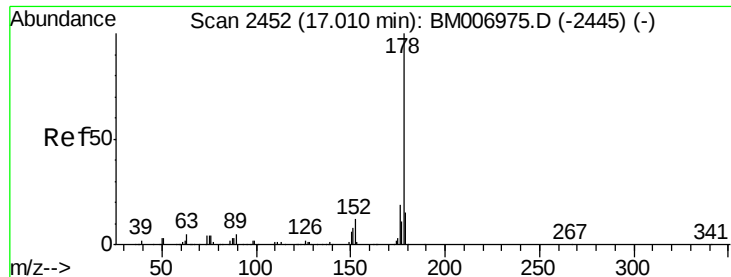
Delta R.T. -0.01 min

Lab File: BM006979.D

Acq: 08 Aug 2016 05:49

Tgt Ion:	166	Resp:	136633
Ion Ratio	Lower	Upper	
166	100		
165	98.3	78.2	117.4
167	14.6	10.7	16.1





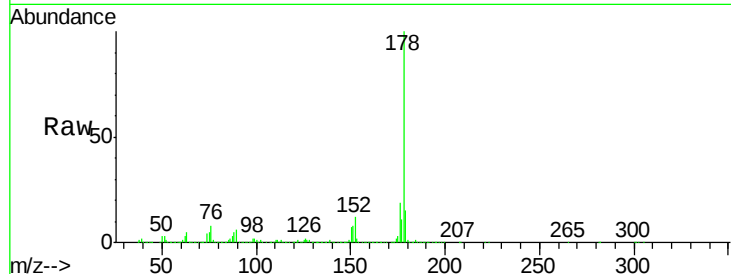
#25
Phenanthrene
Concen: 27.77 ng/ul
RT: 17.01 min Scan# 2452
Delta R.T. 0.00 min
Lab File: BM006979.D
Acq: 08 Aug 2016 05:49

Instrument :
BNA_M
ClientSampled :
DA0K3

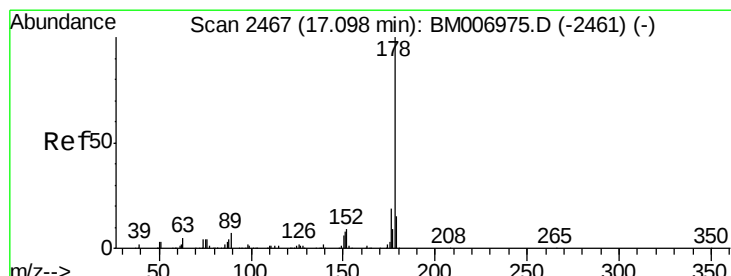
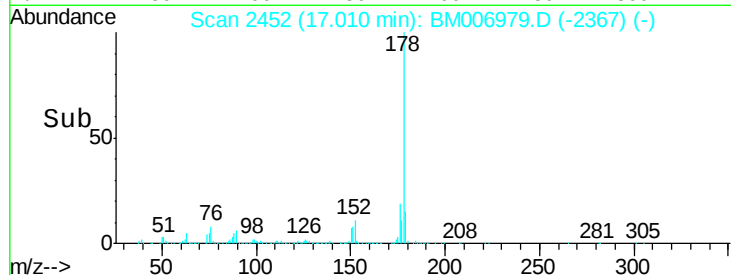
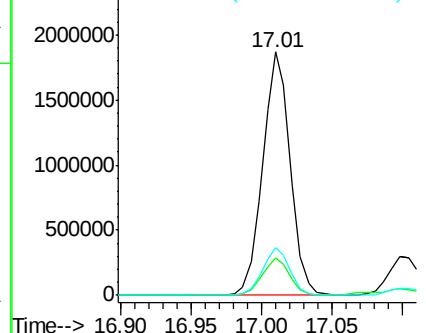
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.0	18.0
176	19.4	15.0	22.4

Manual Integrations
APPROVED

sohil
8/8/2016 7:08:58 PM

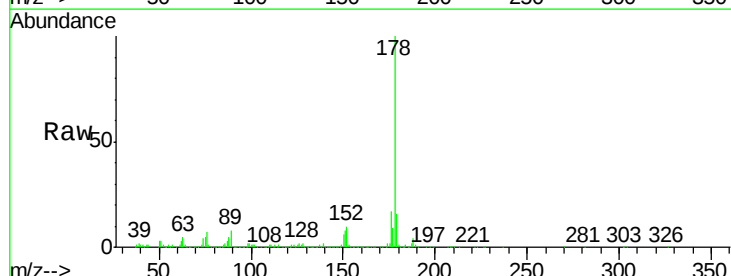


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E

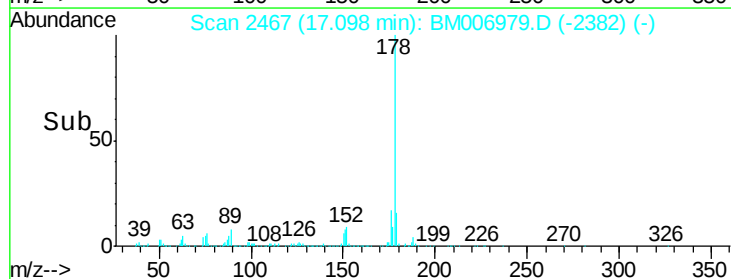
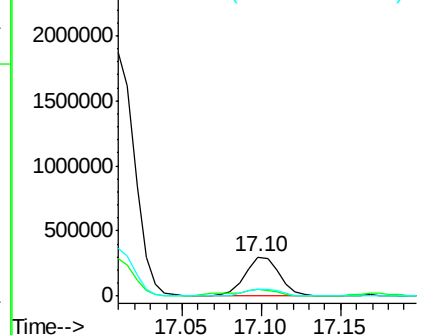


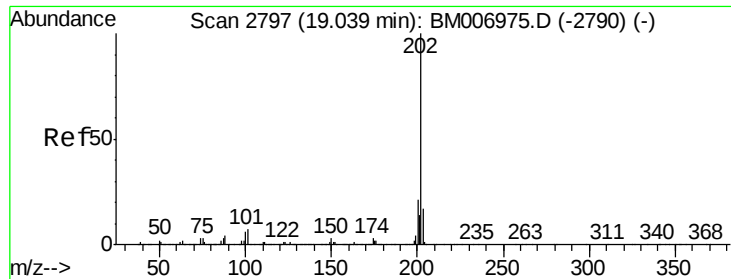
#27
Anthracene
Concen: 4.78 ng/ul
RT: 17.10 min Scan# 2467
Delta R.T. 0.00 min
Lab File: BM006979.D
Acq: 08 Aug 2016 05:49

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.5	12.5	18.7
176	17.4	15.4	23.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E





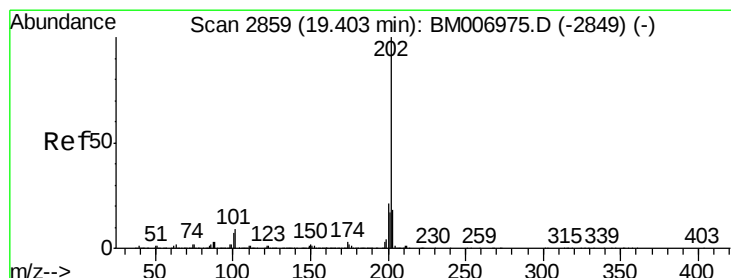
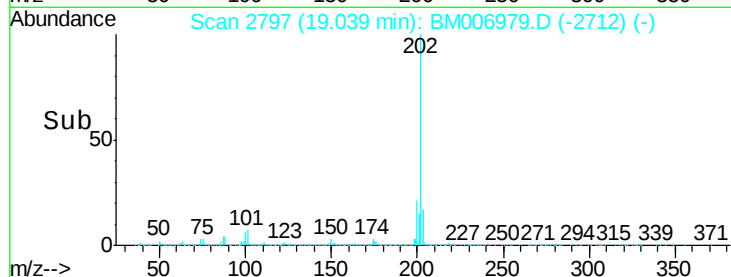
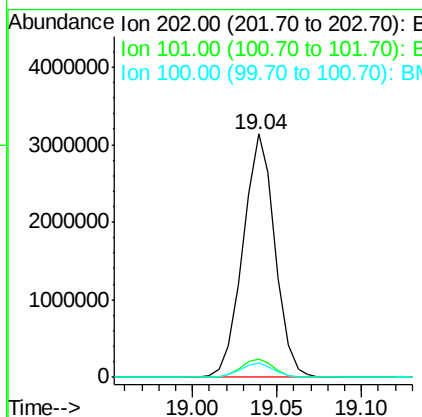
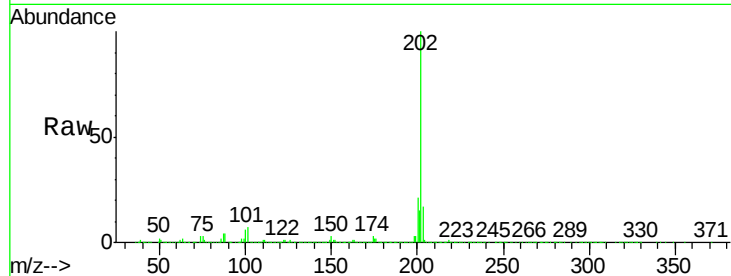
#28
Fluoranthene
 Concen: 36.93 ng/ul
 RT: 19.04 min Scan# 2797
 Delta R.T. 0.00 min
 Lab File: BM006979.D
 Acq: 08 Aug 2016 05:49

Instrument :
 BNA_M
 ClientSampleId :
 DA0K3

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.3	5.6	8.4
100	6.0	4.2	6.4

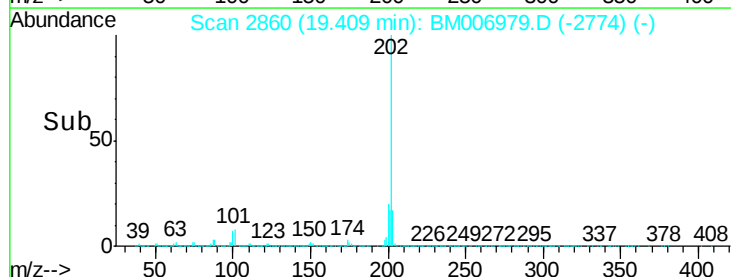
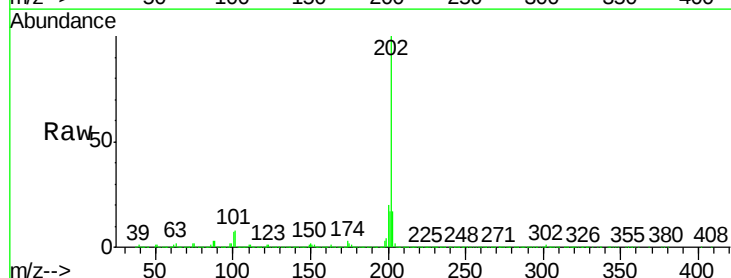
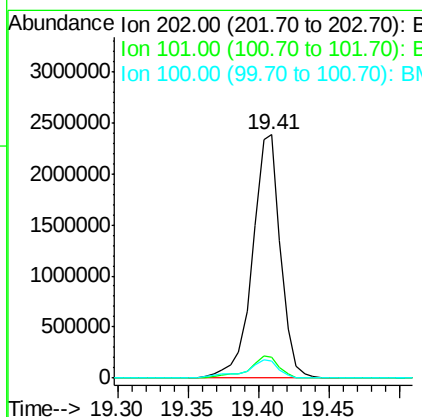
Manual Integrations
 APPROVED

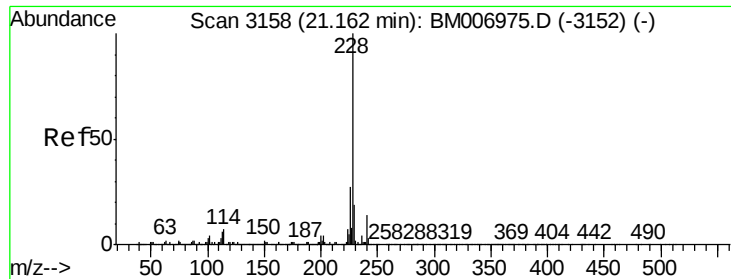
sohil
 8/8/2016 7:08:58 PM



#31
Pyrene
 Concen: 35.14 ng/ul
 RT: 19.41 min Scan# 2860
 Delta R.T. 0.01 min
 Lab File: BM006979.D
 Acq: 08 Aug 2016 05:49

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.4	6.4	9.6
100	6.8	5.4	8.2





#32

Benzo(a)anthracene

Concen: 17.62 ng/ul

RT: 21.16 min Scan# 3158

Delta R.T. 0.00 min

Lab File: BM006979.D

Acq: 08 Aug 2016 05:49

Instrument :

BNA_M

ClientSampled :

DA0K3

Tgt Ion:228 Resp: 1581927

Ion Ratio Lower Upper

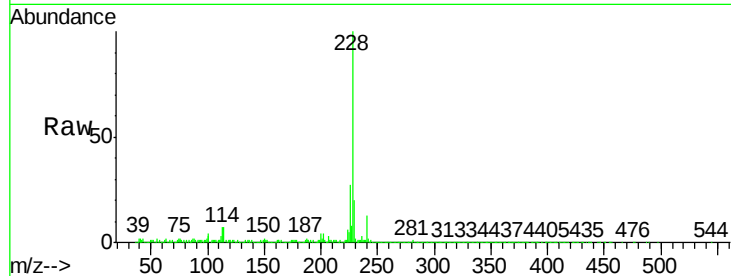
228 100

229 20.4 15.2 22.8

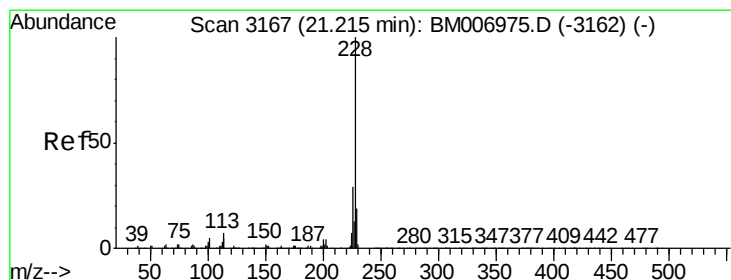
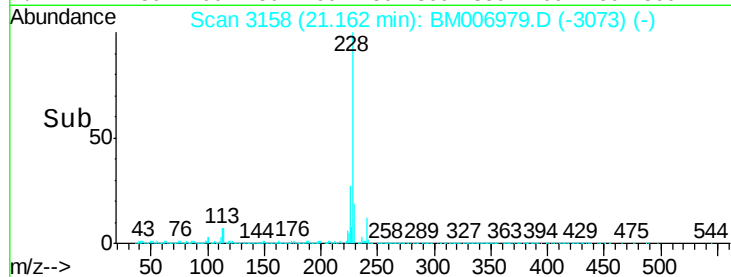
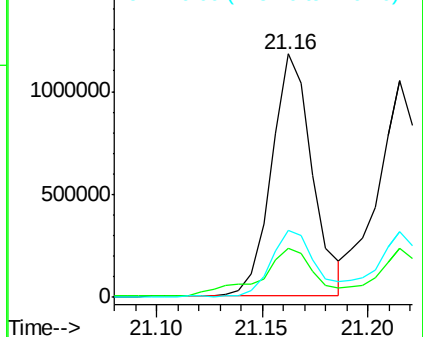
226 27.3 21.3 31.9

Manual Integrations
APPROVED

sohil
8/8/2016 7:08:58 PM



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#33

Chrysene

Concen: 18.29 ng/ul

RT: 21.22 min Scan# 3167

Delta R.T. 0.00 min

Lab File: BM006979.D

Acq: 08 Aug 2016 05:49

Tgt Ion:228 Resp: 1445540

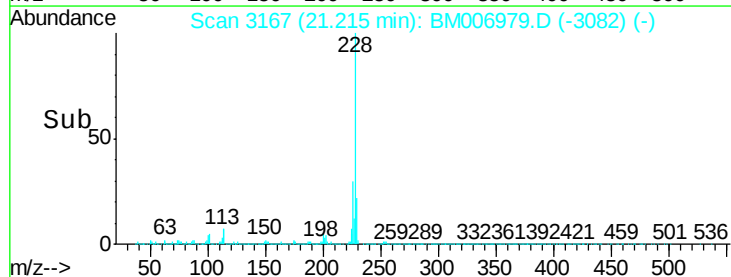
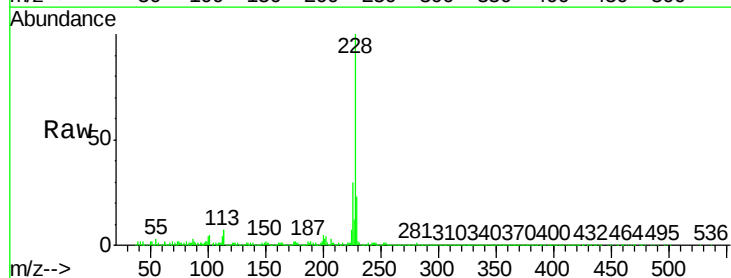
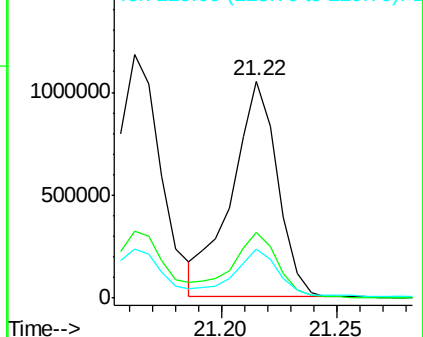
Ion Ratio Lower Upper

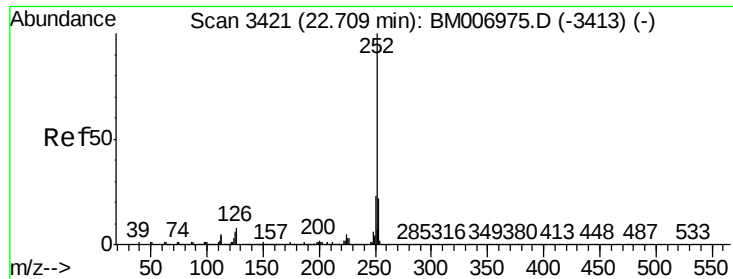
228 100

226 30.4 23.8 35.6

229 22.6 15.1 22.7

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 25.32 ng/ul

RT: 22.72 min Scan# 3423

Delta R.T. 0.01 min

Lab File: BM006979.D

Acq: 08 Aug 2016 05:49

Instrument :

BNA_M

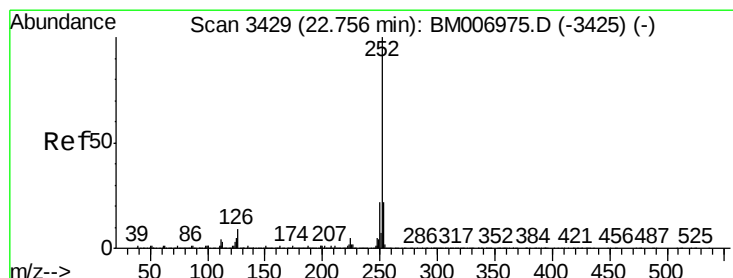
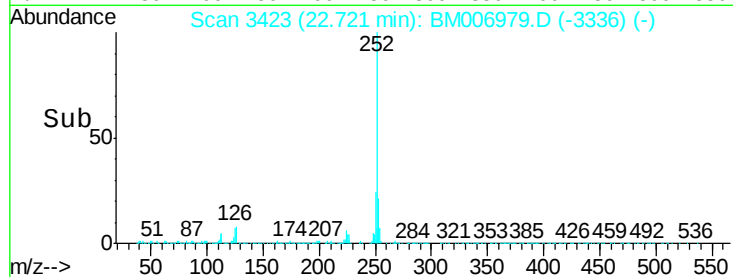
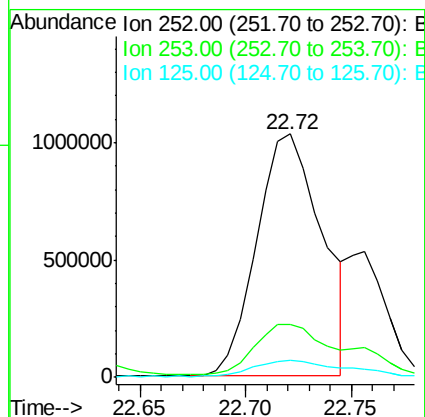
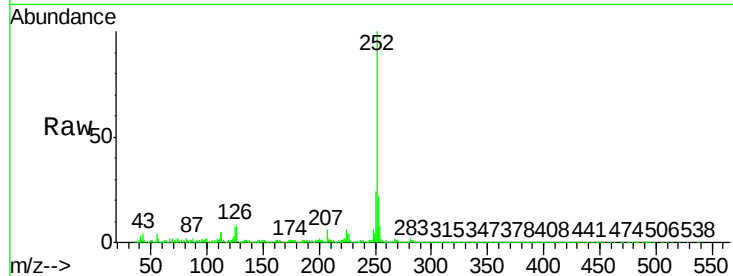
ClientSampleId :

DA0K3

Tgt Ion:	252	Resp:	2223768
Ion Ratio	Lower	Upper	
252	100		
253	21.7	17.6	26.4
125	6.9	5.1	7.7

Manual Integrations
APPROVED

sohil
8/8/2016 7:08:58 PM



#36

Benzo(k)fluoranthene

Concen: 7.98 ng/ul m

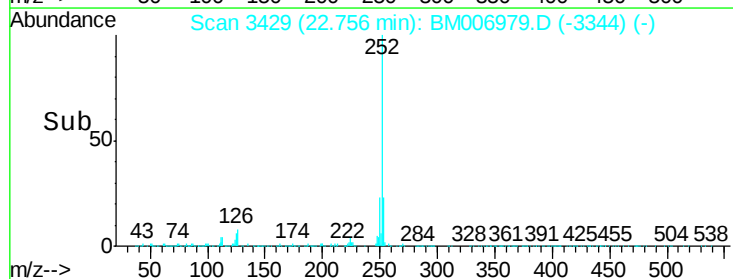
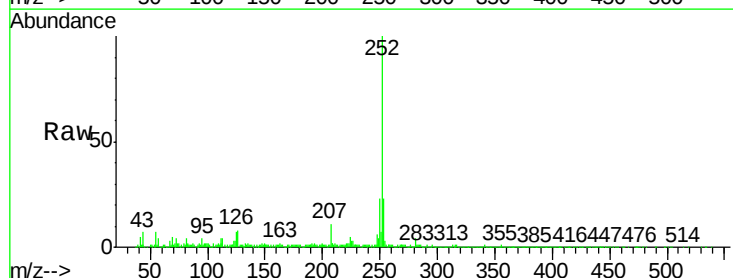
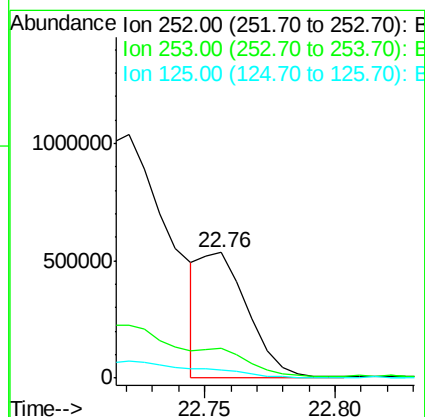
RT: 22.76 min Scan# 3429

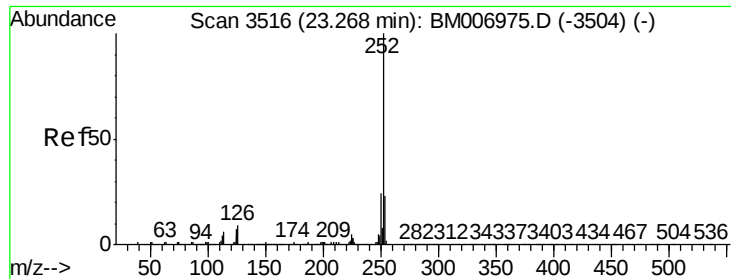
Delta R.T. 0.00 min

Lab File: BM006979.D

Acq: 08 Aug 2016 05:49

Tgt Ion:	252	Resp:	676452
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.2	25.8
125	6.6	5.1	7.7





#38

Benzo(a)pyrene

Concen: 18.42 ng/ul

RT: 23.27 min Scan# 3517

Delta R.T. 0.01 min

Lab File: BM006979.D

Acq: 08 Aug 2016 05:49

Instrument :

BNA_M

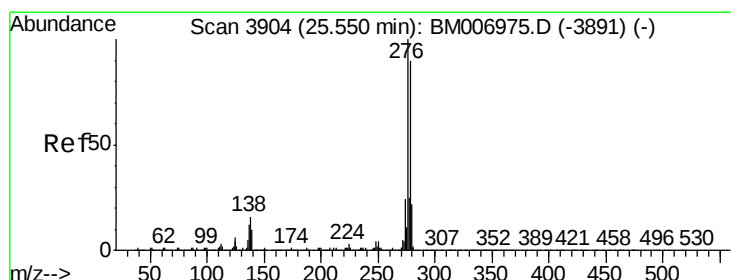
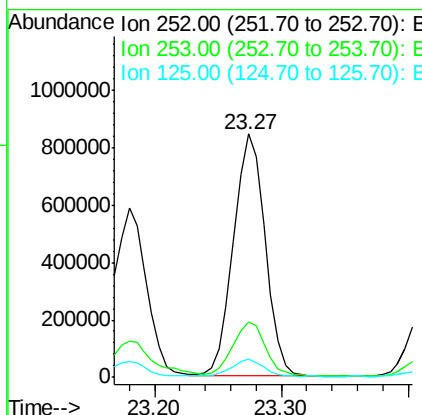
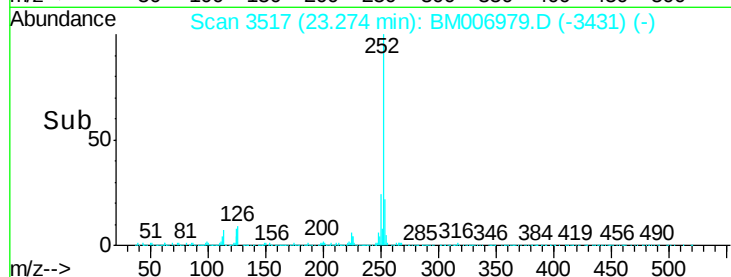
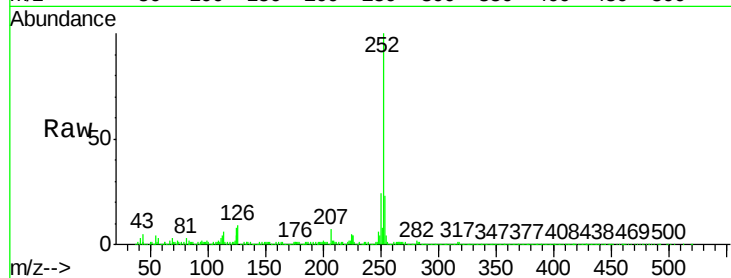
ClientSampled :

DA0K3

Tgt Ion:	252	Resp:	1467231
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.2	27.2
125	7.8	5.6	8.4

Manual Integrations
APPROVED

sohil
8/8/2016 7:08:58 PM



#39

Indeno(1,2,3-cd)pyrene

Concen: 14.18 ng/ul

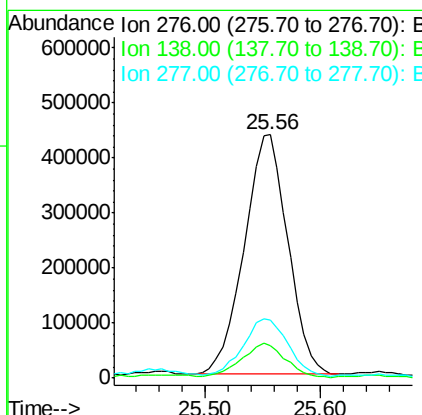
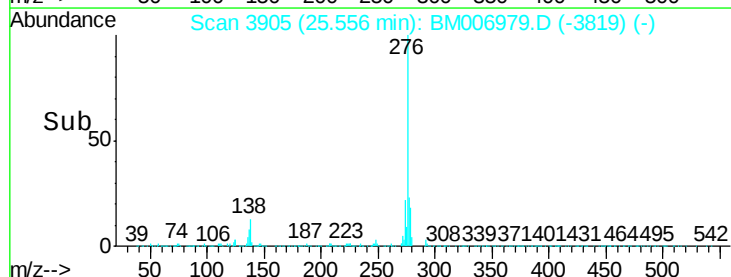
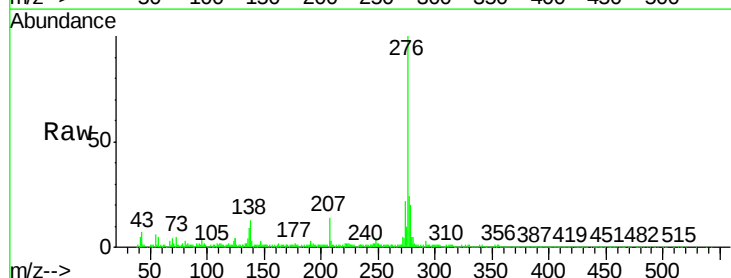
RT: 25.56 min Scan# 3905

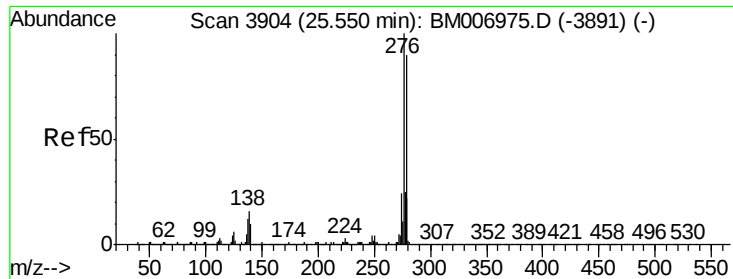
Delta R.T. 0.01 min

Lab File: BM006979.D

Acq: 08 Aug 2016 05:49

Tgt Ion:	276	Resp:	1145630
Ion Ratio	Lower	Upper	
276	100		
138	13.5	12.6	19.0
277	23.7	20.3	30.5





#40

Dibenzo(a,h)anthracene

Concen: 4.42 ng/ul

RT: 25.54 min Scan# 3903

Delta R.T. -0.01 min

Lab File: BM006979.D

Acq: 08 Aug 2016 05:49

Instrument :

BNA_M

ClientSampleId :

DA0K3

Tgt Ion: 278 Resp: 300758
Ion Ratio Lower Upper

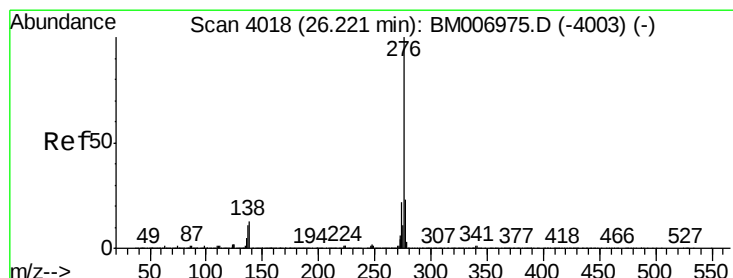
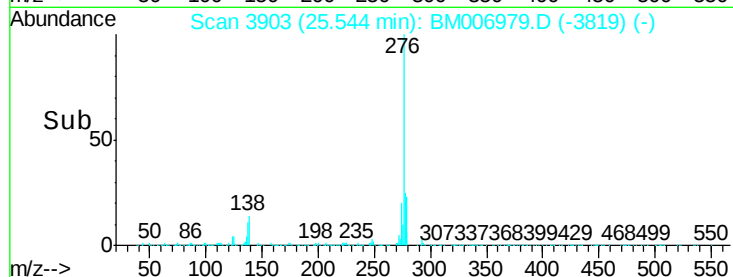
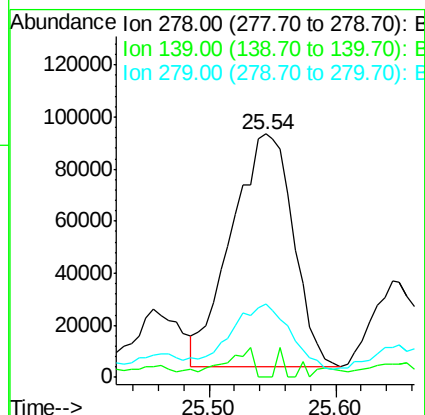
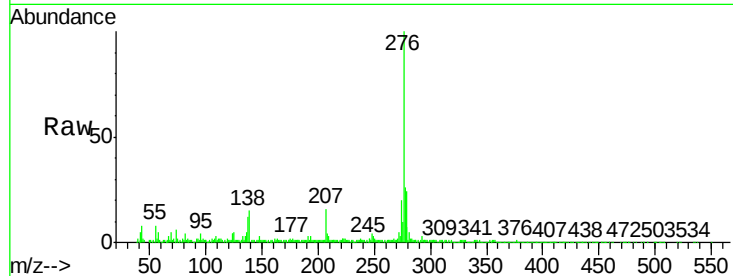
278 100

139 0.0 7.5 11.3#

279 30.0 19.0 28.4#

Manual Integrations
APPROVED

sohil
8/8/2016 7:08:58 PM



#41

Benzo(g,h,i)perylene

Concen: 17.79 ng/ul

RT: 26.23 min Scan# 4019

Delta R.T. 0.01 min

Lab File: BM006979.D

Acq: 08 Aug 2016 05:49

Tgt Ion: 276 Resp: 1131770
Ion Ratio Lower Upper

276 100

138 14.2 10.9 16.3

277 25.7 18.6 27.8

